

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-19 (Canceled).

Claim 20 (New): A ceramic heater comprising a ceramic substrate and a temperature control means,

wherein

the number of pores with a diameter of 0.5 μm or more obtained by surface measurement of said ceramic substrate with a microscope is 1×10^8 to 15×10^{11} per m^2 .

Claim 21 (New): The ceramic heater according to Claim 20,

wherein said ceramic substrate has a thickness of 1 to 25 mm.

Claim 22 (New): The ceramic heater according to Claim 20,

wherein said temperature control means is arranged on a bottom surface of said ceramic substrate.

Claim 23 (New): The ceramic heater according to Claim 20,

wherein said temperature control means is a Peltier device.

Claim 24 (New): The ceramic heater according to Claim 20,

wherein said temperature control means is arranged inside of said ceramic substrate.

Claim 25 (New): The ceramic heater according to Claim 20,

wherein said ceramic substrate comprises an electrostatic electrode.

Claim 26 (New): The ceramic heater according to Claim 20,
wherein a chuck top conductor layer is formed on the surface of said ceramic
substrate.

Claim 27 (New): The ceramic heater according to Claim 20,
wherein said ceramic substrate contains carbon.

Claim 28 (New): The ceramic heater according to Claim 20,
wherein said ceramic substrate comprises an oxide ceramic.

Claim 29 (New): The ceramic heater according to Claim 20,
wherein said ceramic substrate comprises a non-oxide ceramic containing oxygen.

Claim 30 (New): The ceramic heater according to Claim 20,
which is used to heat a semiconductor wafer.

Claim 31 (New): The ceramic heater according to Claim 20,
wherein said ceramic heater is configured to be used at a temperature of 25°C or
higher.

DISCUSSION OF THE AMENDMENT

All of the claims have been canceled and replaced with new Claims 20-31. Claim 20 is identical in scope to now-canceled Claim 11. Claim 21 is supported in the specification at page 9, lines 14-16 and 27-28. Claim 22 is supported by Figs. 5 and 7. Claim 23 is supported in the specification at page 18, lines 10-12. Claim 24 is supported by Figs. 3 and 6. Claim 25 is supported by Figs. 3, 5, 6 and 7. Claim 26 is supported in the specification at page 27, line 34 through page 28, line 4. Claim 27 is supported in the specification at page 10, lines 18-19. Claim 28 is supported in the specification at page 10, lines 3-4. Claim 29 is supported in the specification at page 9, lines 29-32 and page 10, lines 8-9. Claim 30 is supported in the specification at page 12, lines 11-14. Finally, Claim 31 is supported by the Examples.

No new matter is believed to have been added by the above amendment. With entry thereof, Claims 20-31 will be pending in the application.